

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-84
Relating to Certification of New Motor Vehicles

ISUZU MOTORS LIMITED

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1990 model-year Isuzu Motors Limited emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: LSZ1.6V5FHA4 Displacement: 1.6 Liters (97 Inches)

Equipped with the following exhaust emission control systems:

Exhaust Gas Recirculation
Oxygen Sensor
Three Way Catalyst
Warm Up Three Way Catalyst
• Multipoint Electronic Fuel Injection
On-Board Diagnostics (Exempted)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.41	7.0	0.4

The following are the certification emission values for this engine family:

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.37	3.1	0.1

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

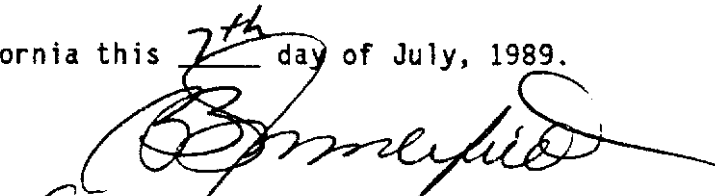
BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Health and Safety Code Section 43205).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 27th day of July, 1989.


for K. D. Drachand, Chief
Mobile Source Division

1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. # A-20-84 Page 1Manufacturer ISUZU MOTORS LIMITED Eng. Family LSZ1.6V5FHA4Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Gas X Diesel Eng. Type L4 Liter (CID) 1.6 (97) Evap. Family CAN-JEmission Control Sys. (Use SAE Abbrev.) EGR, TWC, WUTWC, O2S, MPFIEngine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP or DPA	Ign. Sys. (ECU/PROM) Part No.	EGR Syst. Part No.	Catalyst Part No.
HA-2	TCF-R4	A	2,625	5.4	ECU 8161388990	8943415790	TWC 8251047740 WUTWC 8943434051
	TIF-R1			6.4			
HA-1	TCF-R4	M		5.4	ECU 8161311190		
	TIF-R1			6.4			
HA-3	TCF-R4			5.4	ECU 8161388790		
	TIF-R1			6.4			
HA-4	TCF-R4			5.4	8970279200		
(Cert std)							
HC/CO/NOx/Evap.: 0.41/7.0/0.4/2.0							
Vehicle Model		TCF-R4: Chevrolet STORM, 2-door coupe TIF-R1: Isuzu STYLUS, 4-door notchback					

Date of Issue:
Revisions: (A) ECU part No. for HA-1 corrected.
(B) Engine code HA-3 added by RC90V02.
(C) ECU for HA-2 & HA-3 changed by RC89V03.
(D) Engine code HA-4 added by RC90V10.